

**Vermont Emergency Management
RACES ICOM 706 Quick Reference Manual
Courtesy of W2HDI**

ICOM 706 Setup

1. "Display" Button (located at the lower right corner of the display). This is the first control to try. Touching this button "toggles" between three menus - "S", "M" and "G". Each of these menus has a submenu, which are selected by the "menu" button at the bottom left of the display. The key programming menu is "M".

Holding the "display" button for 2 seconds opens up a sub menu ("Q1 - "Q7) where settings are made for PL tone frequency, power level, and mic gain (plus vox controls).

2. "M" Menu. This has 4 "submenus", the most important is "M2", which has the functions for switching modes between "memory" and "vfo".

M2 Menu. The three functions in "M2" are "MW" (memory write), "MCL" (memory clear) and "V/M" which switches between vfo mode and memory mode. Select VFO mode by pressing the hard button under the display icon "V/M". Select a frequency (by turning the big knob), select operating mode (SSB, FM, etc) by touching the "mode" button (upper right corner of display), select a memory channel (by turning the memory channel knob), and "save" the frequency into the selected memory channel by pressing the hard button under the display icon "MW". VHF "Duplex" + or - is automatic on this radio, according to frequency.

M3 Menu. The hard button under the icon "MET" toggles between three meter functions - swr, power, and alc.

M4 Menu. The hard buttons select controls for VOX, duplex (set automatically by the radio for 2mtrs and 440), and PL Tone on / off (see below).

3. **Programming PL Tone.** First, choose a repeater frequency and save it into memory, as above, in the M2 submenu. Next, hold the "display" button for two seconds to enter the submenu labeled "Q". Hit the button under the "Q" icon to toggle to the submenu "Q6". Turn the main tuning dial to select the desired tone. Exit this submenu by touching the "display" button. Touch the "display" button to select the "M" menu (probably will show up when exiting from the Q6 sub menu). Hit the button under the "M_" icon to select the "M4" submenu. The sub-audible PL tone is toggled on or off by hitting the hard button under the icon "TON". If it is on, a "T" appears in the display in the upper right hand corner, to the right of the transmitting mode (FM).

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4. "S" menu. Toggle to this menu by touching the "Display" button. There are four submenus, none of which are really necessary for immediate set-up. S1 provides 5 or 10 temporary memories via the "MPW" (write) and "MPR" (read) functions. S4 is the submenu for the digital signal processing functions - ANF (auto notch filter) and "NR" (noise reduction). Useful on SSB, not to be used for FM.

5. "G" menu. Toggle to this menu by repeatedly touching the "Display" button. The most useful submenu is G4, which allows the creation of an alphanumeric name for any memory channel to which a frequency has been assigned. This only works with the radio in "memory" mode, not "VFO" mode (selected in menu M2, as described above). Select a memory channel, enter G4 submenu, and touch the hard button under the icon "E". Turn the tuning dial to select a number or letter, and the hard button under the > icon to shift to the next letter. Touch the button under the "exit" icon when done.

6. "P-Amp" button on left side under the power button. This button has three modes - receive pre amp "on" (green lcd in the button), off (no lcd light), and signal attenuator (red lcd in the button). Should always be in "green" mode.

7. "Tuner" button – on the left side below the power button. If an HF automatic antenna tuner is connected to the radio, this button turns it on. When pressed and held, the tuner is activated and the antenna "tuned".